

**AMENDMENTS TO THE SPECIFICATION:**

Please replace the paragraph with the following amended paragraph on page 4, line 18:

~~Fig. 4 is a~~ Figs. 4A and 4B are waveform examples that is are obtained by performing response simulation of a generated torque  $T_m$  with respect to a torque command value  $T_m^*$  in the vector control apparatus according to the first embodiment of the present invention (~~EMBODIMENT 1~~).

Please replace the paragraph with the following amended paragraph on page 11, line 14:

~~Fig. 4 shows a~~ Figs. 4A and 4B show waveform examples in which the response simulation of the generated torque  $T_m$  was carried out with respect to the torque command value  $T_m^*$  in the vector control apparatus according to the first embodiment of the present invention. Here, note that the generated torque  $T_m$  is a torque which is generated by the induction motor in a simulation model calculated by using the circuit constant, the terminal voltage and the current of the induction motor.